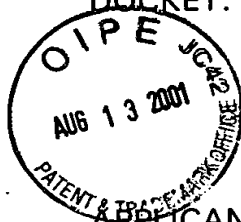


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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

APPLICANT: Henrik LEIMAND

SERIAL NO: 09/446,991

FILING DATE: February 4, 2000

TITLE: METHOD OF OPERATION OF A
PRINTING UNIT AND PRINTING
UNIT FOR OFFSET MACHINE

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)Group Art Unit: 2854
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)Examiner: YAN, R.
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CLEAN VERSION OF PARAGRAPHS FROM THE SPECIFICATION

✓
Paragraph 2, Page 5:

2
D

With the present invention it is possible to modify one or all of the desired printing units. The one or all the printing units which are not rebuilt are used for offset-printing. It is, for example, possible to modify an existing offset machine with four printing units. This may take place by modifying the last printing unit in the operating direction of the machine. The three preceding printing units then use the primary colours to make of the desired colour print. In the one or all of the modified printing units, the offset inking unit is detached from the plate cylinder. Then the cleaning system is replaced by a unit comprising a doctor blade chamber device and a screen roller which is moved into engagement with the blanket cylinder which will then act as a plate cylinder. In this system, the plate cylinder will be provided with a rubber blanket which is in contact with the hard screen roller. If, at a later time, it is desired not to use lacquer application, it will be possible to demount the unit comprising the screen roller and the doctor blade chamber device and re-mount the rollers of the dampening unit.

✓
Paragraph 5, Pag 8:

D³
In Fig. 5 there is shown a known cleaning arrangement 33 to be used for a blanket cylinder 14 which act as a plate cylinder as the plate cylinder in the off-set machine is detached. The cleaning arrangement 33 comprises a liquid nozzle 34 which sprays a liquid onto the plate cylinder and onto a wiping belt 35 extending around the roller 35'. The rollers 35' and the nozzle 34 are mounted on a support 36. The support 36 is mounted on pins 37 fastened to the frame 38 of the offset machine.

✓
Paragraph 3, Page 9:

D⁴
The roller 29 is driven by its own motor 40 by means of a belt connection or another suitable transmission connection. The motor 40 is preferably a tachomotor, such that the rotational speed can be set according to wish and adjusted to the rotational speed of the plate cylinder 14. The unit 28 is pivotally mounted about a bearing 41, such that it may be pivoted out of and into engagement with the cylinder 14. The doctor blade chamber device 30 is mounted on an arm 42 via a pivotal bearing 43 such that it can be adjusted to the screen roller 29. The mutual swinging of the system may be established by means of a cylinder 44.